

ABSTRACT

When organohalosilanes are prepared by charging a
5 reactor with a contact mass containing metallic silicon and a
copper catalyst, and introducing an organohalide-containing
gas feed into the reactor, the partial pressure of
organohalide gas in the gas feed is manipulated so as to keep
the temperature within the reactor substantially constant.
10 The precise control of reactor internal temperature ensures
that organohalosilanes with a higher useful silane content
are produced in a safe and inexpensive manner and in high
yields from the contact mass having perpetually changing
reactivity.